MAJESTIC
FIREPLACES

Decorative Gas Appliance
Models: NVSTR36
NVCVR36

INSTALLER/CONSUMER SAFETY INFORMATION

PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING APPLIANCE.

IMPORTANT: Read all instructions and warnings carefully before starting installation. Failure to follow these instructions may result in a possible fire hazard and will void the warranty.

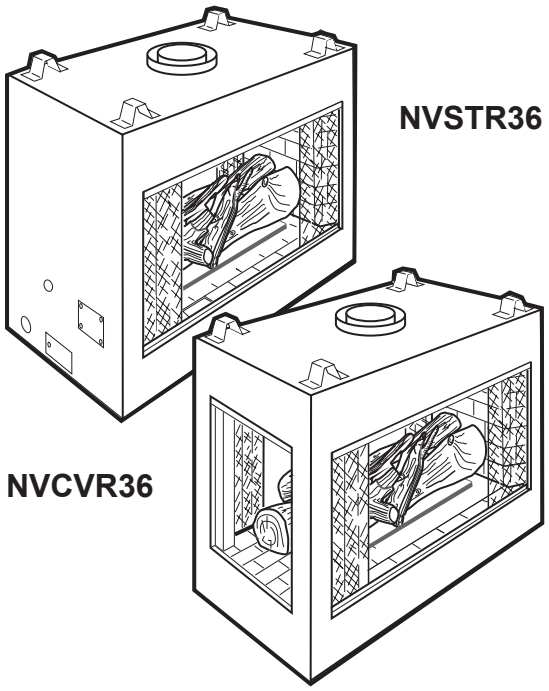
WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

FOR YOUR SAFETY:
Installation and service must be performed by a qualified installer, service agency, or the gas supplier. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

FOR YOUR SAFETY,

if you smell gas:

1. **Open windows.**
2. **Do not touch electrical switches.**
3. **Do not try to light any appliance.**
4. **Extinguish any open flame.**
5. **Do not use the phone in your building.**
6. **Immediately call your gas supplier from a neighbor's phone.**
7. **Follow your gas supplier's instructions.**
8. **If you cannot reach your gas supplier, call the fire department.**



Homeowner's Installation and Operating Manual

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

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Table of Contents

Thank you, and Congratulations on your purchase of a CFM Corporation Fireplace.
PLEASE READ THESE INSTALLATION & OPERATING INSTRUCTIONS BEFORE USING THE APPLIANCE.

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Installation & Operating Instructions
- General Information....3
- Description....3
- Fireplace Framing and Specification Dimensions....4
- Clearance to Combustibles....5
- Mantels....5
- Hearth Extension....5
- Insulating for Cold Climates....5
- Framing and Finishing....6
- Finishing....6
- Gas Specifications....6
- Gas Inlet & Manifold Pressures....6
- High Elevations....6
- Parts Identification and Chase Installation....7
- Gas Line Installation....8
- Remote Wall Switch....8
- EB-1 Electrical Box....9
- Install the Venting System, Flashing and Termination....9
- Venting Runs....10

Operating Instructions
- Glass Information....11
- Glass Cleaning....11
- Log Installation....11
- Ember Material Placement....11
- Lava Rock....11
- First Firing....11
- Flame Adjustment....12
- Flame Characteristics....12
- Inspect the Venting System....12
- Lighting and Operating Instructions....13
- Troubleshooting....15

Maintenance
- Cleaning the Standing Pilot Control System....17
- Cleaning Automatic Direct Electronic Ignition System....17

Replacement Parts....18
Accessories....21
Warranty....23

Installation & Operating Instructions

This gas appliance should be installed by a qualified installer in accordance with local building codes and with current **CSA-B149.1** Installation codes for Gas Burning Appliances and Equipment.

FOR U.S.A. Installations follow local codes and/or the current **National Fuel Gas Code. ANSI Z223.1/NFPA 54**.

In the Commonwealth of Massachusetts, all gas fittings and installation of this heater shall only be done by a licensed gas fitter or licensed plumber

FOR SAFE INSTALLATION AND OPERATION OF YOUR NATURAL DRAFT APPLIANCE PLEASE NOTE THE FOLLOWING:

1. This appliance gives off high temperatures and should be located out of high traffic areas and away from furniture and draperies.
2. Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.
3. Children should be carefully supervised when they are in the same room as your appliance.
4. Under no circumstances should this appliance be modified. Parts having to be removed for servicing should be replaced prior to operating this appliance again.
5. Installation and any repairs to this appliance should be carried out by a qualified service person. A professional service person should be contacted to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually. More frequent cleaning may be required due to excess lint and dust from carpeting, bedding material, etc.
6. Control compartments, burners and air passages in this appliance should be kept clean and free of dust and lint. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.
7. The venting system (chimney) of this appliance should be checked at least once a year and if needed your venting system should be cleaned.
8. Keep the area around your appliance clear of combustible materials, gasoline and other flammable vapor and liquids. This appliance should not be used as a drying rack for clothing, nor should Christmas stockings or decorations be hung in the area of it.
9. Under no circumstances should any solid fuels (wood, coal, paper or cardboard etc.) be used in this appliance.
10. The flow of combustion and ventilation air must not be obstructed in any way.
11. Whether the appliance is installed directly on carpeting, vinyl tile or any combustible material other than wood, this appliance must be installed on a metal or wood panel extending the full width and depth of the appliance.
12. This appliance requires adequate ventilation and combustion air to operate properly.

WARNING: Check with your electronics manufacturer before installing a television or other electronic device above this fireplace.

Description

NVSTR / NVCVR Series are radiant, natural draft appliances and use a 6" B-vent system. Do not burn wood or other materials in these appliances. Each model is available with standing pilot or electronic ignition for use with Natural or Propane gas units.

Report to your dealer any parts damaged in shipment.

Adequate combustion and ventilation air must be provided. The flow of combustion and ventilation air MUST NOT be obstructed.

Provide adequate clearances around the air opening into the combustion chamber; and adequate accessibility clearance for servicing and proper operation. NEVER obstruct the front opening of the appliance.

The 6" vent system MUST connect to the appliance and terminate out-of-doors in a vertical position and terminate with a B-vent cap.

This appliance must not be connected to a chimney flue servicing a separate solid-fuel burning appliance.

Proposition 65 Warning: Fuels used in gas, wood-burning or oil fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.
California Health & Safety Code Sec. 25249.6

IMPORTANT:

PLEASE READ THE FOLLOWING CAREFULLY

Remove any plastic from trim parts before turning the fireplace “ON”.

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or car engine.

It is not unusual for your gas fireplace to give off some odor the first time it is burned. This is due to the curing of the paint and any undetected oil used in the manufacturing process.

Please ensure that your room is well ventilated. Open all windows.

It is recommended that you burn your fireplace for at least ten (10) continuous hours the first time you use it. If the optional fan kit has been installed, place the fan switch in the “OFF” position during this time.

NVSTR36 Series Gas Appliance, See Through Model

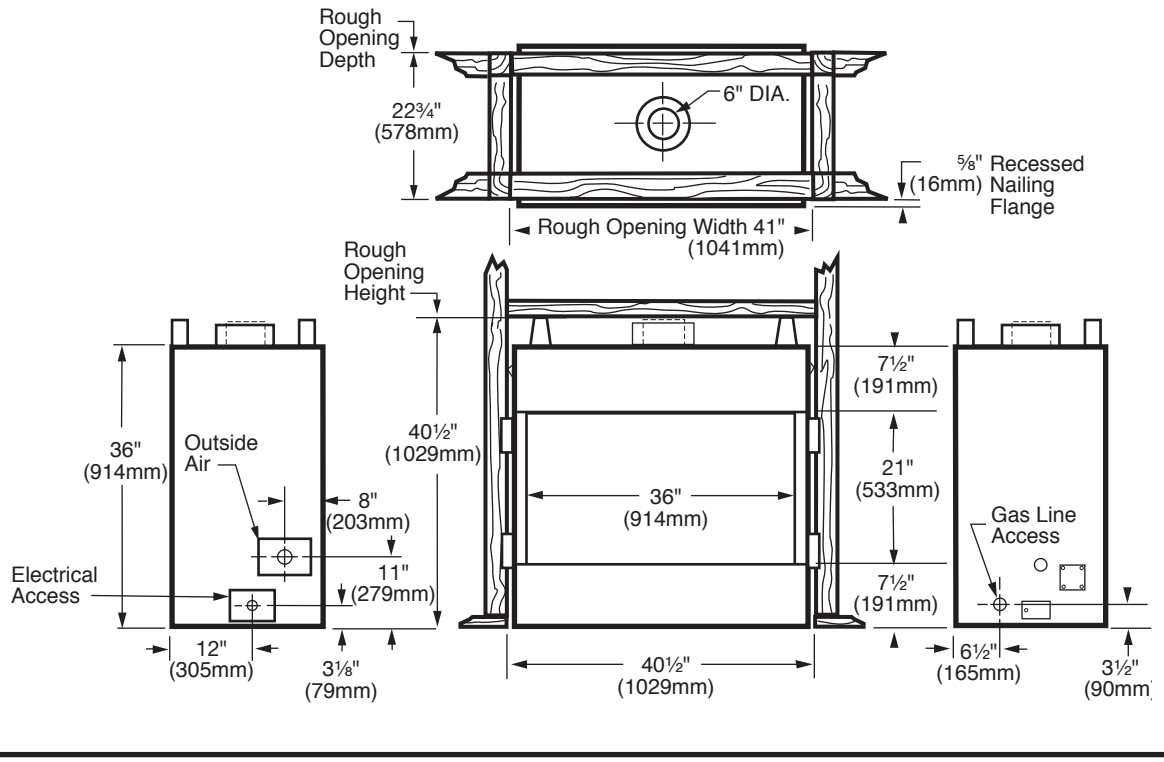


Fig. 1 NVSTR36 Series specification and framing dimensions.

NVCVR36 Series Gas Appliance, Cove Model

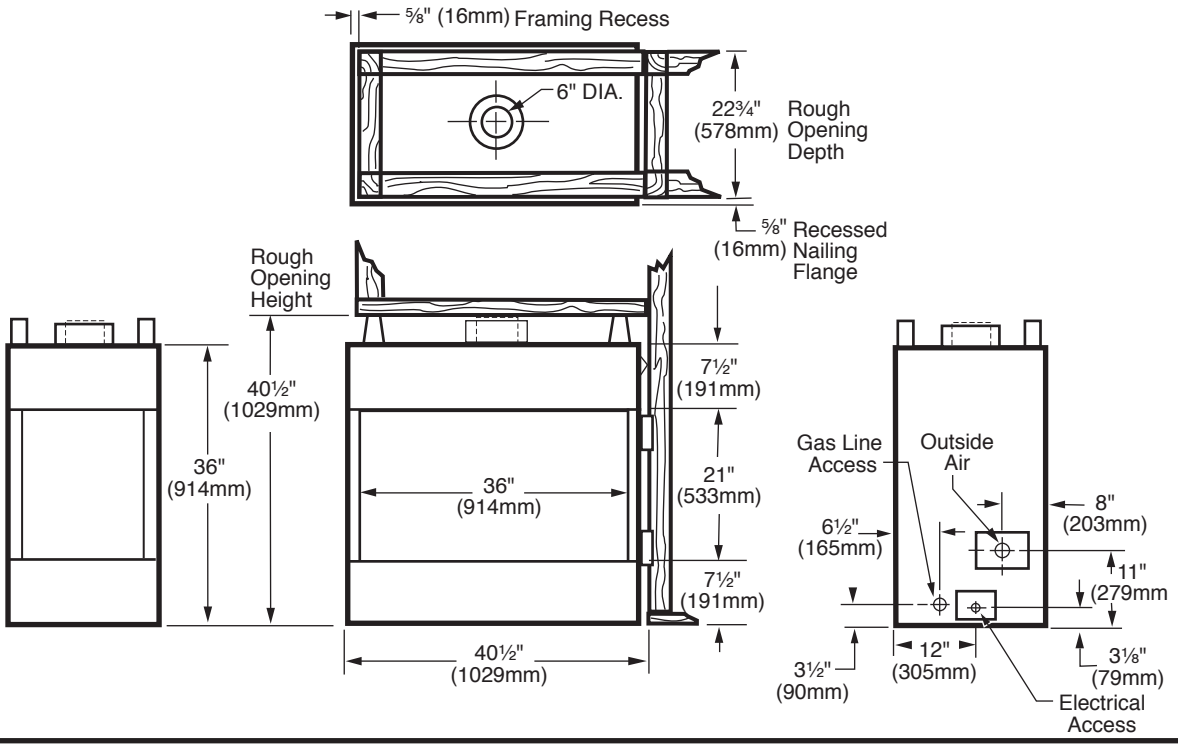


Fig. 2 NVCVR36 Series specification and framing dimensions.

Clearance to Combustibles

Appliances

Top ..... 0” (0 mm)
Bottom..... 0” (0 mm)
Side..... 0” (0 mm)
Back..... 0” (0 mm)
Perpendicular Sidewall ..... 6” (152 mm)
Top of unit to ceiling ..... 36” (914 mm)
Front of unit to combustibles..... 36” (914 mm)

Venting

B-Vent ..... 1” (25 mm)

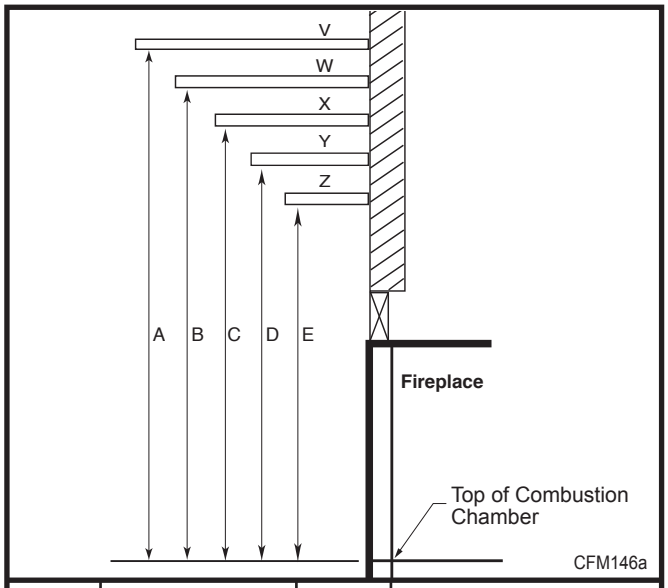
Mantels

The height that a combustible mantel is fitted above the fireplace is dependent on the depth of the mantel. This also applies to the distance between the mantel leg (if fitted) and the fireplace.

For the correct mounting height and widths refer to Figures 3a and 3b.

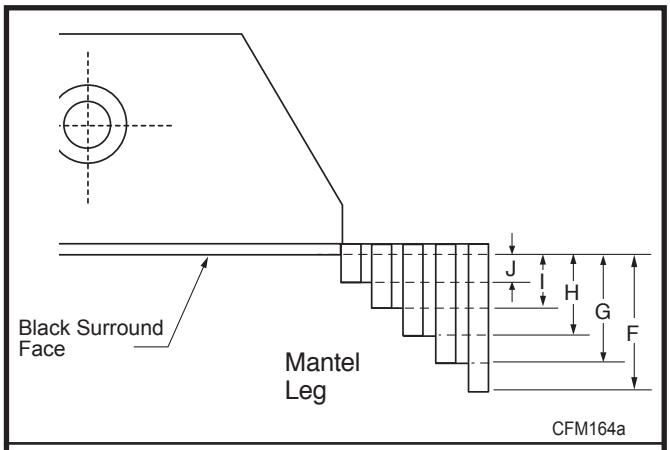
Noncombustible mantels and legs may be installed at any height and width around the appliance.

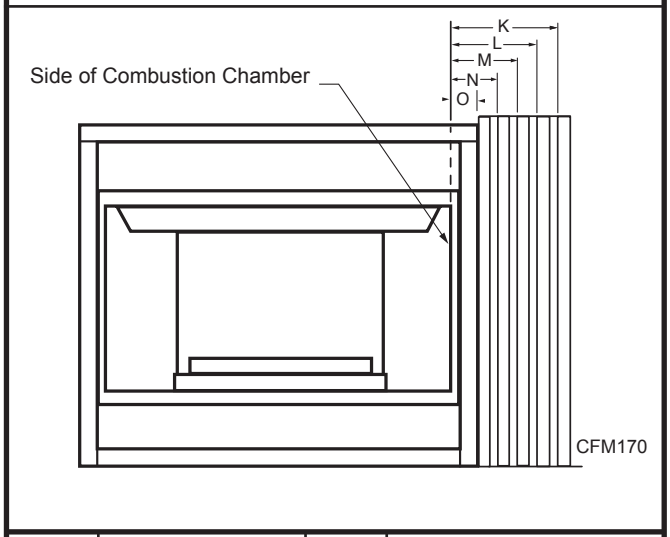
When using paint or lacquer to finish the mantel, such paint or lacquer must be heat resistant to prevent discoloration.



Ref.	Mantel Shelf Depth	Ref.	Mantel From Top of Comb. Chamber
V	14" (356 mm)	A	25" (635 mm)
W	12" (305 mm)	B	23" (584 mm)
X	10" (254 mm)	C	21" (533 mm)
Y	8" (203 mm)	D	19" (483 mm)
Z	1½" (38 mm)	E	15" (381 mm)

Fig. 3a Combustible mantel minimum installation.





Ref.	Mantel Shelf Depth	Ref.	Mantel From Top of Comb. Chamber
F	14" (356 mm)	K	14" (356 mm)
G	12" (305 mm)	L	12" (305 mm)
H	10" (254 mm)	M	10" (254 mm)
I	8" (203 mm)	N	8" (203 mm)
J	1½" (38 mm)	O	1½" (38 mm)

Fig. 3b Combustible mantel leg minimum installation.

Hearth Extension

A hearth extension in front of appliance is recommended, but **not required.**

Insulating for Cold Climates

When an appliance is installed in a chase or an outside wall, the enclosure should be insulated like any other wall of the home. Insulation should be installed under the appliance and on the inside of the exterior walls.

In a chase, it is a good idea to install a firestop at the first ceiling level above the appliance. Also, install insulation on the side walls. Insulation may then be placed above the ceiling to assure the space around the appliance is protected. Refer to Page 7, Figure 5.

Be sure to always maintain the proper one (1) inch distance to combustibles around B-vent pipe sections.

NOTE: Insulating for cold climates is strictly a recommendation and not a requirement.

Framing and Finishing

The appliance should only be mounted on the following surfaces:

- A flat combustible (burnable) surface.
- A raised wooden platform.
- A concrete block or other solid object placed beneath each of the four corners of the appliance.

To mount the appliance:

1. Choose unit location.
2. Eight (8) nailing flanges are supplied with the NVSTR fireplace (found on the fireplace hearth). Four (4) nailing flanges are supplied with the NVCVR fireplace. To level the box and secure it firmly in place, remove the nailing flanges from the hearth and install at the sides of the fireplace as shown in Figure 4.

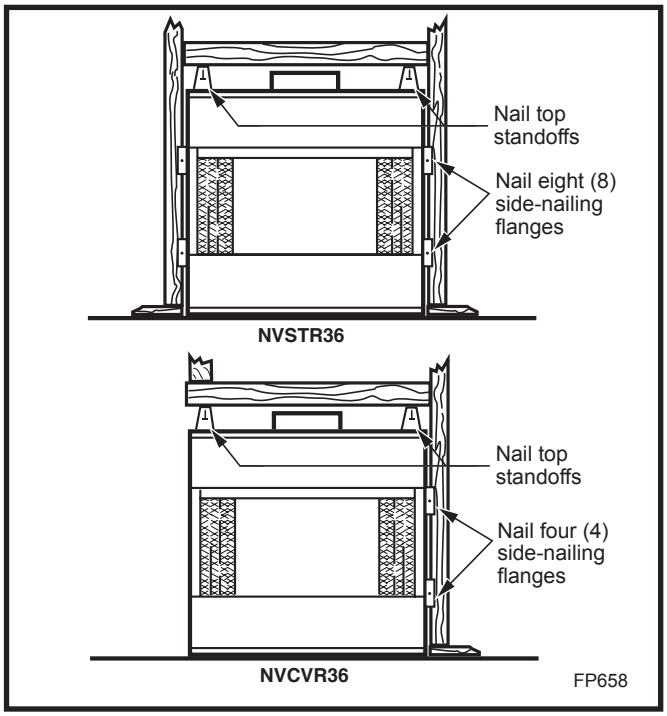


Fig. 4 Adjustable drywall strip (nailing flange).

Finishing

All joints between finished wall and appliance surround (top and sides) may be sealed only with noncombustible material. Only noncombustible material can be applied as facing to the appliance surround (black painted face).

When finishing the appliance, never obstruct or modify the air inlet/ outlet grilles in any manner.

Finish the wall with the material of your choice. Refer to Figures 3a and 3b for specific clearances when installing a combustible mantel or other combustible projection.

Gas Specifications

Model	Fuel	Gas Control	Max. Input	Min. Input
NVSTR36RN	Natural	Millivolt Hi/Lo	41,000	29,000
NVSTR36RP	LP	Millivolt Hi/Lo	41,000	31,500
NVSTR36EN	Natural	Electronic	41,000	29,000
NVSTR36EP	LP	Electronic	41,000	31,500
NVCVR36RN	Natural	Millivolt Hi/Lo	41,000	29,000
NVCVR36RP	LP	Millivolt Hi/Lo	41,000	31,500
NVCVR36EN	Natural	Electronic	41,000	29,000
NVCVR36EP	LP	Electronic	41,000	31,500

Gas Inlet & Manifold Pressures

	NATURAL	LP
Minimum Inlet Pressure	5.5" w.c.	11.0" w.c.
Maximum Inlet Pressure	14.0" w.c.	14.0" w.c.
Manifold Pressure	3.5" w.c.	10.0" w.c.

NVSTR36 / NVCVR36
Certified To

ANSI Z21.50b–2002/ CSA 2.22b–2002
Vented Gas Fireplace

Units: F34AR6, F34BR6, F34HR6, F34AR9, F34HR9

High Elevations

Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.

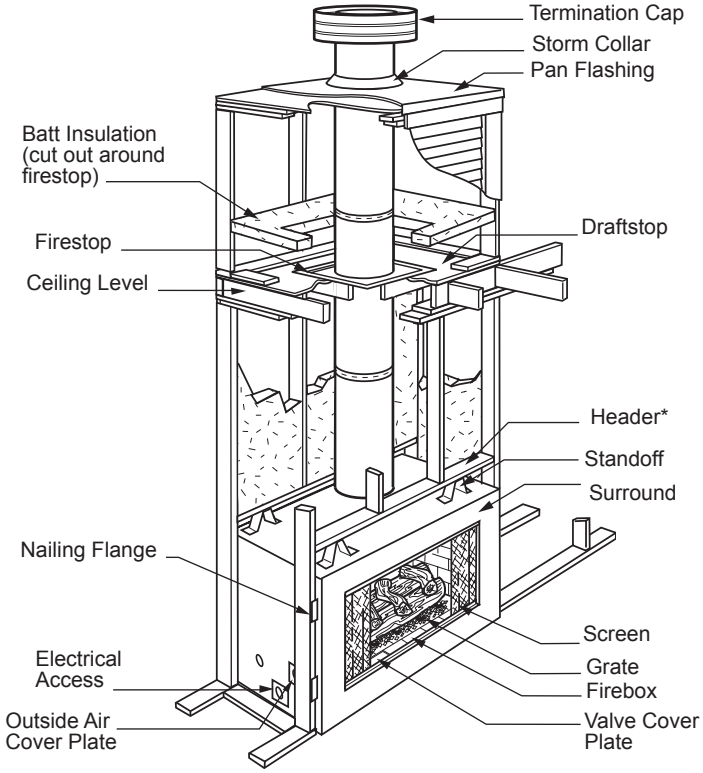
For elevations above 4,500 feet (1,370 m) in USA, installations must be in accordance with the current ANSI Z223.1/NFPA 54 and/ or local codes having jurisdiction.

In Canada, please consult provincial and/ or local authorities having jurisdiction for installations at elevations above 4,500 feet (1,370 m).

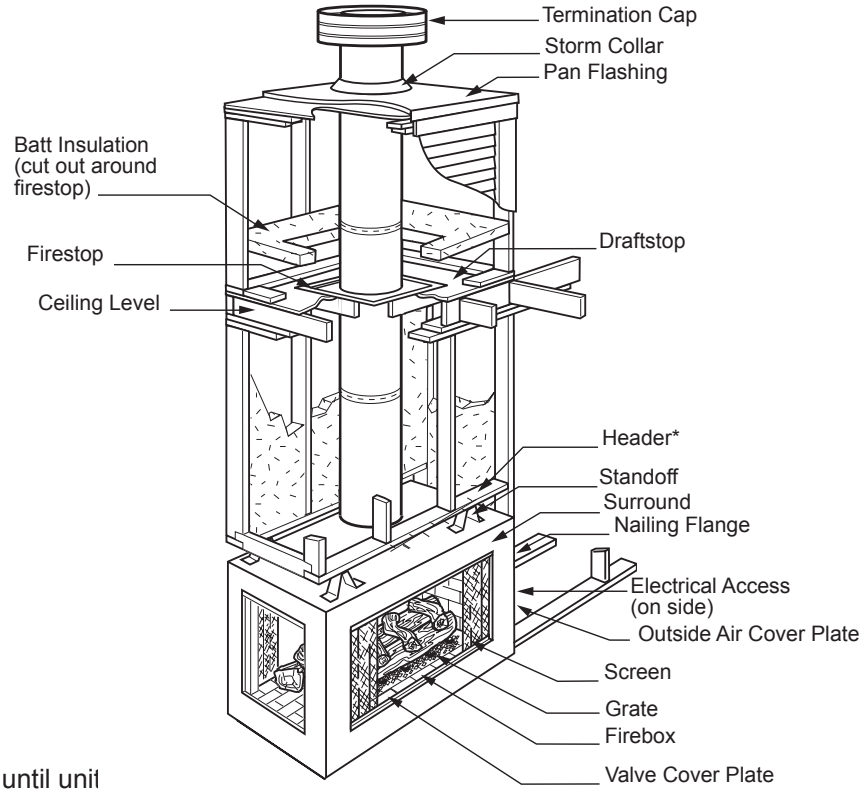
Parts Identification and Chase Installation

(Insulation methods shown are optional for cold climate, not a requirement for unit operation.)

NVSTR



NVCVR



* Do not install header until unit

Fig. 5 Parts identification and system installation.

Gas Line Installation

If gas piping is not yet completed from the source to the appliance location, install the required pipe. To ensure use of proper pipe size, consult the local plumbing code.

The gas pipeline can be brought in through the right-hand side (facing the control side) of the appliance. A knockout is provided to allow for the gas pipe installation and testing of any gas connection.

NOTE: The gas line connection can be made with properly tinned 3/8" copper tubing, 1/2" rigid pipe or an approved flex connector, then reduced to 3/8" to the appliance. Because some municipalities have some additional local codes, it is always best to consult your local authority.

U.S.A.: Consult the current National Fuel Gas Code, ANSI Z223.1/NFPA 54.

CANADA: CSA–B149.1 Installation Code.

Always check for gas leaks with a mild soap and water solution. Do not use an open flame for leak testing.

The gas control is equipped with a captured screw type pressure test point, therefore it is not necessary to provide a 1/8" test point up stream of the control.

When using copper or flex connector use only approved fittings. **Always provide a union** so the gas line can be easily disconnected for burner or fan servicing. See gas specification for pressure details and ratings.

NOTE: If flex connector is used, it must be kept inside of the appliance. (Fig. 6)

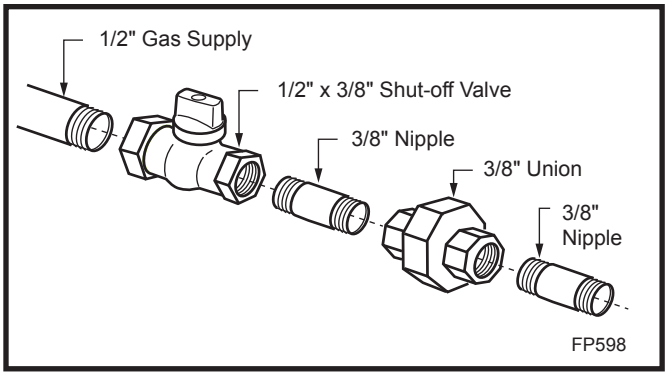


Fig. 6 Typical gas supply installation.

Remote Wall Switch

1. Thread wire through the electrical knockout located on side of unit. Run the other end to a conveniently located wall receptacle box. Ensure the wire is protected; do not cut wire or insulation on metal edges.
2. Attach wire to switch and install switch into receptacle box. Attach cover plate to switch.
3. Connect wiring to gas valve. Refer to Figure 7 or 8 and follow the appropriate diagram.

CAUTION: Do not wire millivolt remote wall switch for gas applicnce to 120V power supply. For lighting instructions, refer to Page 13 or 14.

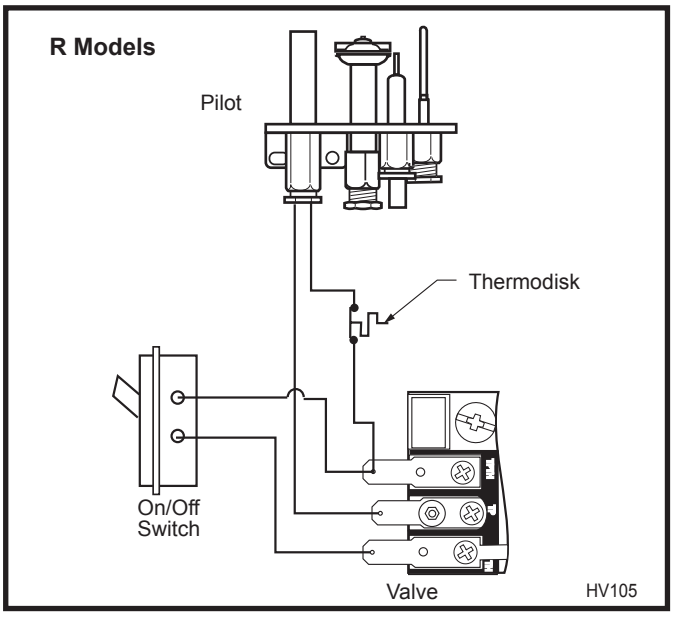


Fig. 7 Remote switch wiring for R-Models.

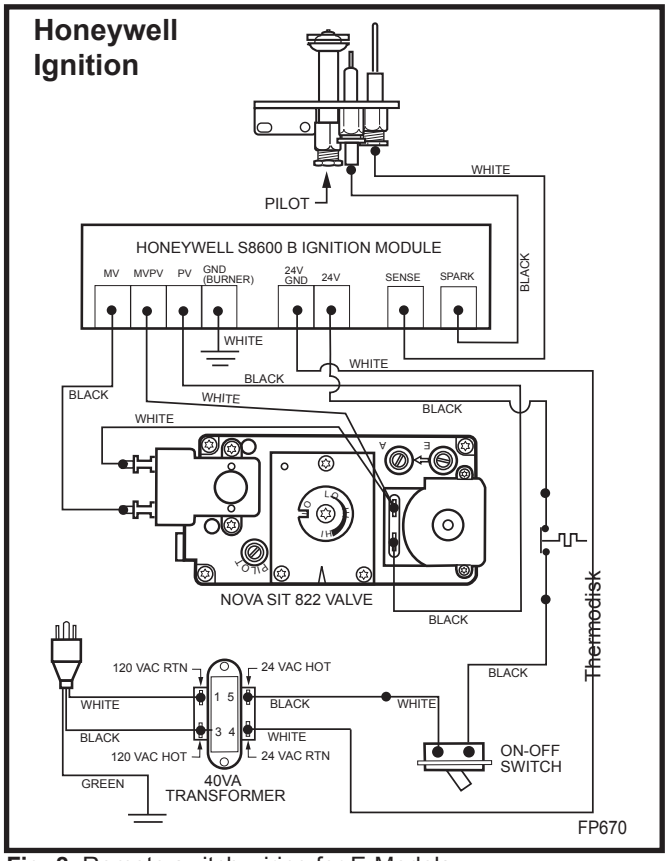


Fig. 8 Remote switch wiring for E-Models.

EB-1 Electrical Box

The fireplace, when installed, must be electrically connected and grounded in accordance with local codes or, in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code.

For USA installations, follow local codes and the National Electrical Code, ANSI/ NFPA No. 70.

It is strongly suggested that the wiring of the EB-1 electrical junction box be carried out by a licensed electrician.

Ensure that the power to the supply line has been disconnected before commencing this procedure.

Once the fireplace is secured, complete wiring the fan kit. Remove knockout in the center of the back of the EB1 and install listed cable clamps. Feed electrical wire through cable clamp leaving approximately six (6) inches of wire exposed through the EB1. Secure cable clamp to the wire.

Attach white wire from power source to one (1) wire of receptacle and secure with a nut. Attach black wire from power source to the other wire of the receptacle and secure with a nut. Be sure nuts are tightened securely.

Secure the EB1 assembly to the inside of the electrical box coverplate using two (2) screws. Attach the cover to the face of the EB1 while being careful to position excess wire completely within the EB1. Attach the coverplate to the fireplace. (Fig. 9)

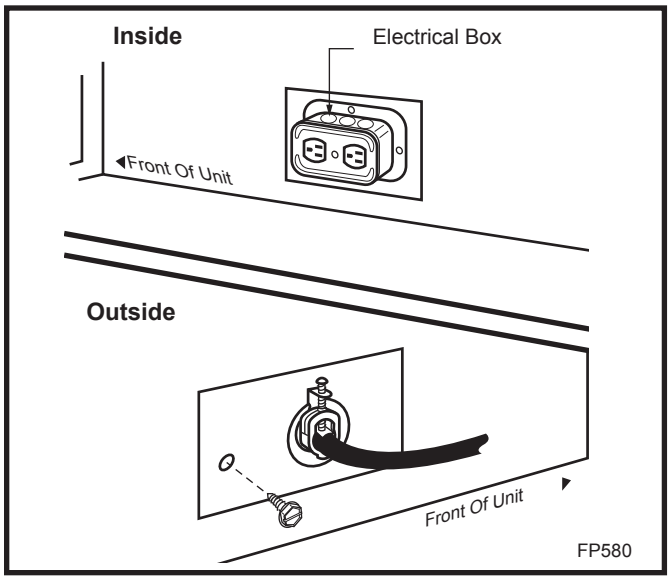


Fig. 9 Junction box (EB-1) hook-up.

Install the Venting System, Flashing, and Termination

See venting installation instructions provided by the B-Vent manufacturer.

Refer to Page 4, Figure 1 to locate chimney centerline dimension from a combustible back wall.

• Minimum vertical chimney height — 12 feet (3.65m).

• Maximum vertical height — 40 feet (12m).

• Minimum height with two 90° elbows — 16 feet (4.06m)

• Elbow requirements allow a maximum of two 90 degree elbows or four 45 degree elbows per installation. (Two 45 degree elbows = One 90 degree elbow.) See venting chart for proper elbow offset runs. Use Figure 11 for all NVCVR installations and NVSTR installations when not installing 36GSKBB Single Panel Glass Door. Use Figure 12 for NVSTR installations when using 36GSKBB Single Panel Glass door.

For firestop positioning, refer to Figure 10. Only one (1) firestop required per frame. **NOTE:** A firestop is not required at the roof.

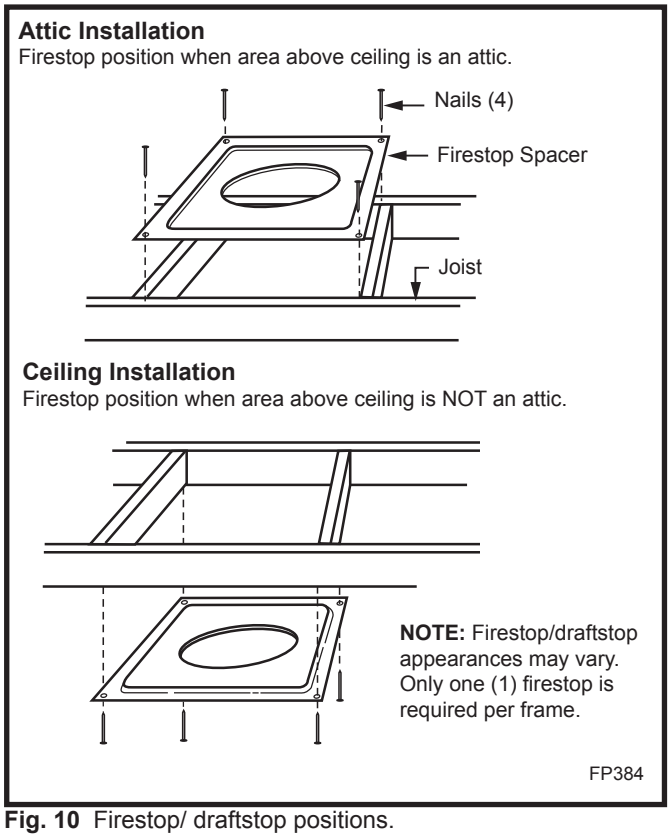

Attic Installation
Firestop position when area above ceiling is an attic.
Nails (4)
Firestop Spacer
Joist
Ceiling Installation
Firestop position when area above ceiling is NOT an attic.
NOTE: Firestop/draftstop appearances may vary. Only one (1) firestop is required per frame.
FP384

Fig. 10 Firestop/ draftstop positions.

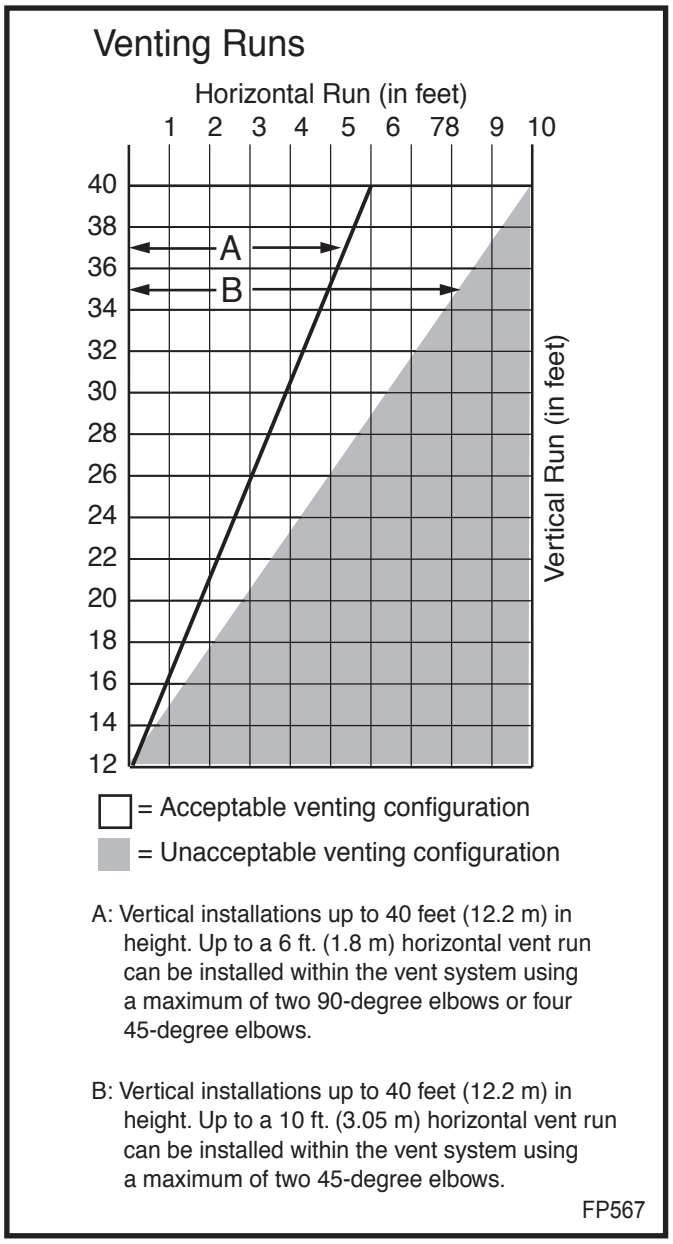

Venting Runs
Horizontal Run (in feet)
1 2 3 4 5 6 78 9 10
40 38 36 34 32 30 28 26 24 22 20 18 16 14 12
A
B
Vertical Run (in feet)
= Acceptable venting configuration
= Unacceptable venting configuration
A: Vertical installations up to 40 feet (12.2 m) in height. Up to a 6 ft. (1.8 m) horizontal vent run can be installed within the vent system using a maximum of two 90-degree elbows or four 45-degree elbows.
B: Vertical installations up to 40 feet (12.2 m) in height. Up to a 10 ft. (3.05 m) horizontal vent run can be installed within the vent system using a maximum of two 45-degree elbows.
FP567

Fig. 11 Venting configurations.

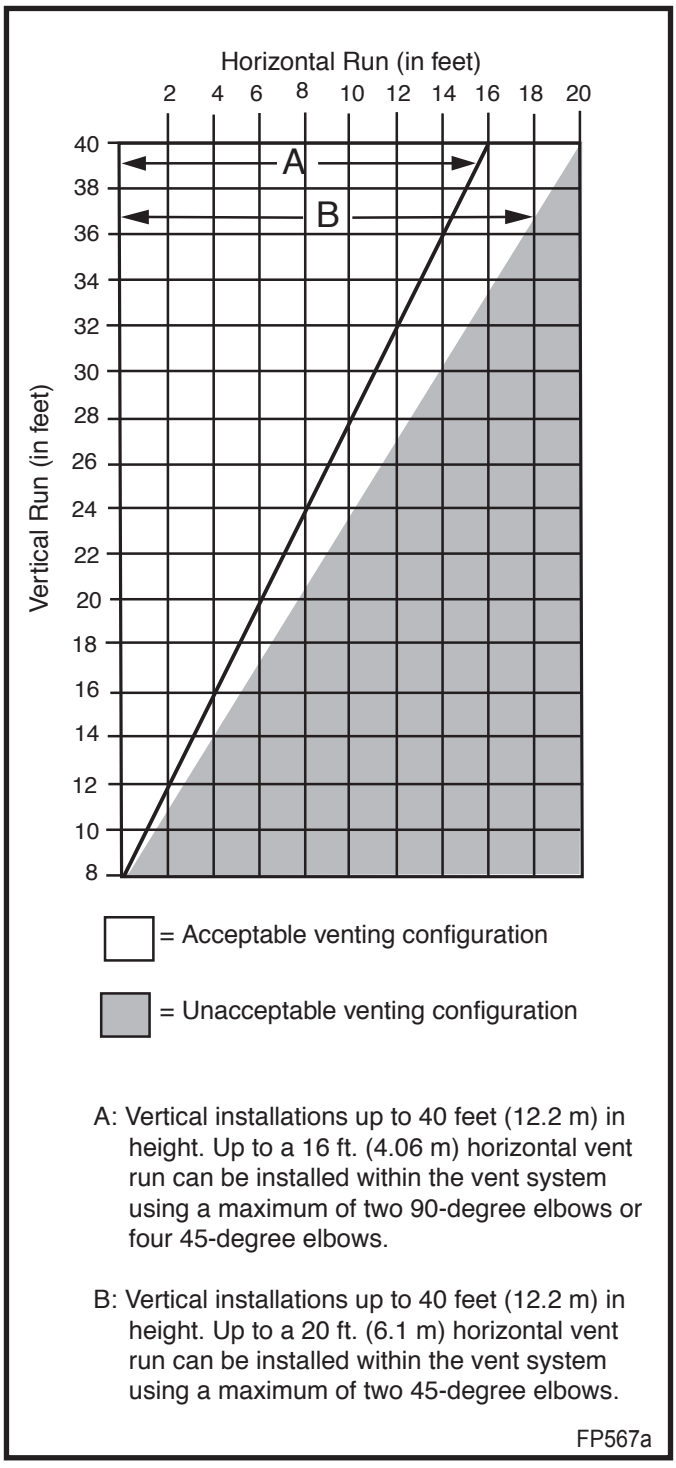

Horizontal Run (in feet)
2 4 6 8 10 12 14 16 18 20
40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8
A
B
Vertical Run (in feet)
= Acceptable venting configuration
= Unacceptable venting configuration
A: Vertical installations up to 40 feet (12.2 m) in height. Up to a 16 ft. (4.06 m) horizontal vent run can be installed within the vent system using a maximum of two 90-degree elbows or four 45-degree elbows.
B: Vertical installations up to 40 feet (12.2 m) in height. Up to a 20 ft. (6.1 m) horizontal vent run can be installed within the vent system using a maximum of two 45-degree elbows.
FP567a

Fig. 12 Venting configurations when installing 36GSKBB.

Operating Instructions

Glass Information

Only glass approved for use in Majestic Fireplaces products may be used for replacement.

- Glass doors are optional. The appliance may be operated safely without glass doors.
- The use of any non-approved replacement glass will void all product warranties.
- Bi-fold glass doors MUST BE completely open or closed while the appliance is in operation.
- Care must be taken to avoid breakage of the glass.
- Under no circumstances should this appliance be operated with broken glass. Replacement of the glass as supplied by the manufacturer should be completed by a licensed qualified service person.
- Replacement glass is available through your Majestic Fireplaces dealer and should only be installed by a licensed qualified service person.

Log Installation

1. Open glass door (if installed).
2. Remove logs from the packaging.

As with all plastic items, these logs are not toys and should be kept away from children and infants.

3. Place rear log on back bracket. Ensure that log is firmly positioned and there is no side-to-side movement.
4. Place the front log on the front bracket. Ensure that the log is firmly positioned and there is no side to side movement.
5. Place the four top logs onto the front and rear logs as shown in Figure 13. Ensure that the logs are secure on the tabs located on the front and rear logs.

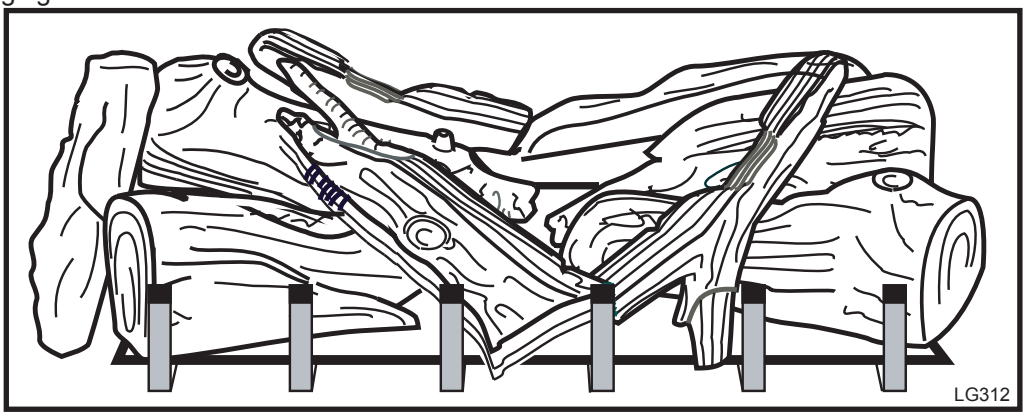


Fig. 13 NVSTR36/NVCVR36 log placement.

Ember Material Placement

Separate the ember material into small pieces—roughly 1/2" (13 mm) diameter—and place on the bracket over the lower burner tubes. Do not pack down ember material; leave in loose, fluffy condition for the most realistic ember effect. (Fig. 14)

Glass Cleaning

It will be necessary to clean the glass periodically. During start-up, condensation, which is normal, forms on the inside of the glass and causes lint, dust and other airborne particles to cling to the glass surface. Also, initial paint curing may deposit a slight film on the glass. It is therefore recommended that the glass be cleaned two or three times with a non-ammonia household cleaner and warm water (we recommend gas fireplace glass cleaner). After that the glass should be cleaned two or three times during each heating season depending on the circumstances present.

Clean glass after first two weeks of operation.

Lava Rock

The lava rock provided with this fireplace must be placed on the firebox base on either side of the burner assembly. Do not place lava rock in combustion pan.

Under no circumstances should lava rock be placed on any part of the burner assembly.

First Firing

Upon completing the gas line connection, a small amount of air will be trapped in the line. When first lighting the unit with pilot light, it will take a few minutes to purge the trapped air.

Once purging is complete, the pilot and burner will light and operate as indicated in the instruction manual. Subsequent lightings of the appliance will not require purging.

When lit for the first time, the appliance will emit a slight odor for an hour or two. This is due to paint and lubricants used in the manufacturing process.

After each lighting, vapor may condense and fog the glass; this moisture disappears in a few minutes of burning.

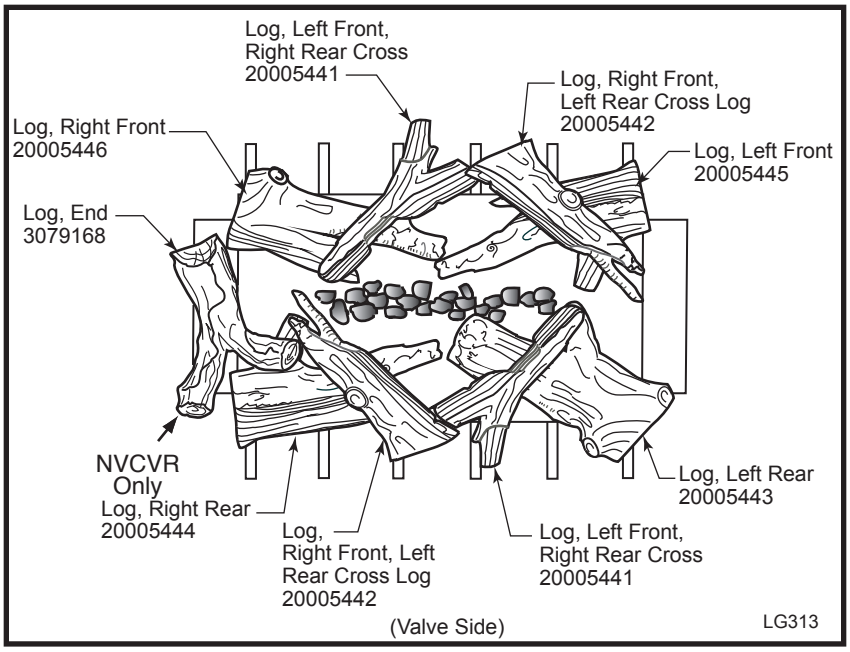


Fig. 14 Ember placement.

Flame Adjustment

For units equipped with Hi/Lo valves, flame adjustment is accomplished by rotating the Hi/Lo adjustment knob located near the center of the gas control.

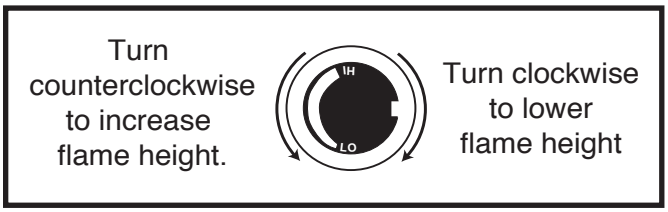


Fig. 15 Flame adjustment knob for SIT820 valve.

Flame Characteristics

It is important to periodically perform a visual check of the pilot and the burner flames. Compare them to the illustrations below (Figs. 16, 17). If any of the flames appear abnormal call a service person.

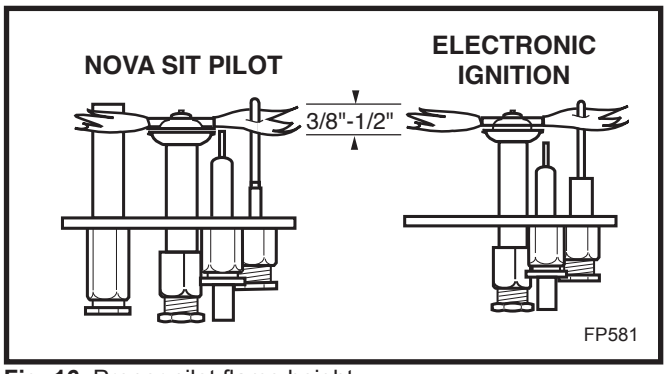


Fig. 16 Proper pilot flame height.

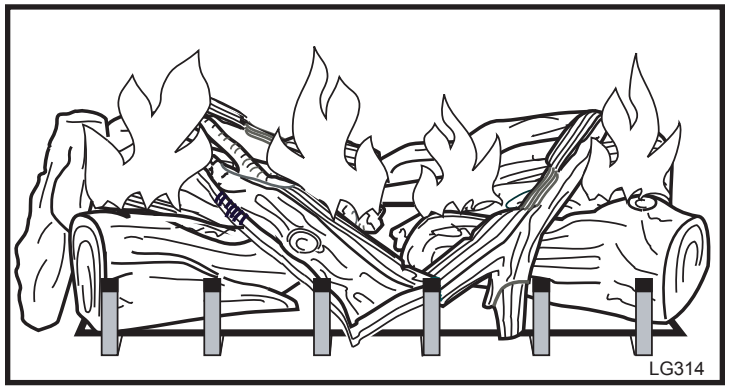


Fig. 17 Approximate flame heights.

Inspecting the Venting System

The appliance venting system was designed and constructed to develop a positive flow adequate to remove flue gases to the outside atmosphere.

Any foreign objects in the venting system, except those designed specifically for the venting system, may cause spillage of flue gases (i.e.: carbon monoxide) into the room.

To inspect the venting system, make sure the main gas valve is off. Remove the glass panel. Using a flashlight, check the combustion dome and behind the top grille. Clean if necessary.

Lighting and Operating Instructions

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This heater has a pilot which must be lit manually. When lighting the pilot follow these instructions exactly.

B. BEFORE LIGHTING smell all around the heater area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

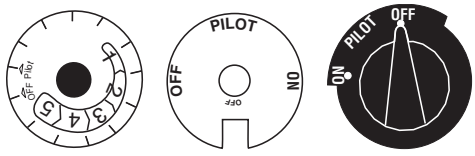
- **Do not try to light any fireplace.**
- **Do not touch any electric switch.**
- **Do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the Fire Department.**

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, do not try to repair it, call a qualified service technician. Applying force or any attempted repair may result in a fire or explosion.

D. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.

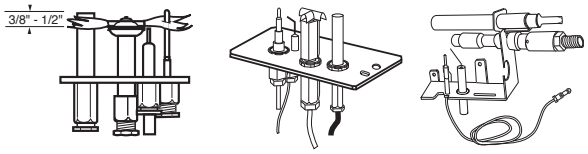
Lighting Instructions

1. **STOP!** Read the safety information above.
2. Turn off all electrical power to the fireplace.
3. For MN/MP/TN/TP appliances ONLY, go on to Step 4. For RN/RP appliances turn the On/Off switch to “OFF” position or set thermostat to lowest level.
4. Open control access panel.
5. Push in gas control knob slightly and turn clockwise ↷ to "OFF".



Euro SIT **SIT NOVA** **Honeywell**

6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above. If you do not smell gas, go to the next step.
7. Remove glass door before lighting pilot. (See Glass Frame Removal section).
8. Visibly locate pilot by the main burner.
9. Turn knob on gas control counterclockwise ↶ to "PILOT".
10. Push the control knob all the way in and hold. Immediately light the pilot by repeatedly depressing the piezo spark igniter until a flame appears. Continue to hold the control knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 8.
    - If knob does not pop up when released, stop and immediately call your service technician or gas supplier.



    - If after several tries, the pilot will not stay lit, turn the gas control knob to "OFF" and call your service technician or gas supplier.
11. Replace glass door.
12. Turn gas control knob to “ON” position.
13. For RN/RP appliances turn the On/Off switch to “ON” position or set thermostat to desired setting.
14. Turn on all electrical power to the fireplace.

To Turn Off Gas to Heater

1. Turn the On/Off switch to Off position or set the thermostat to lowest setting.
2. Turn off all electric power to the fireplace if service is to be performed.
3. Open louvre assembly bottom.
4. Push in gas control knob slightly and turn clockwise ↷ to "OFF". Do not force.
5. Close control access panel.

Lighting and Operating Instructions

For Fireplaces equipped with SIT822 Gas Valve (EN or EP)
Warning:If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury and loss of life.

FOR YOUR SAFETY READ THE FOLLOWING WARNINGS BEFORE LIGHTING THE APPLIANCE

A. This fireplace is equipped with an ignition device which automatically lights the pilot. **DO NOT** try to light the pilot by hand.

B. BEFORE OPERATING, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than the air and will settle on the floor.

What to do if you smell gas

- **Do not try to light any appliance**
- **Do not operate any electrical switch.**
- **Do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone.**

Follow the gas suppliers instructions.

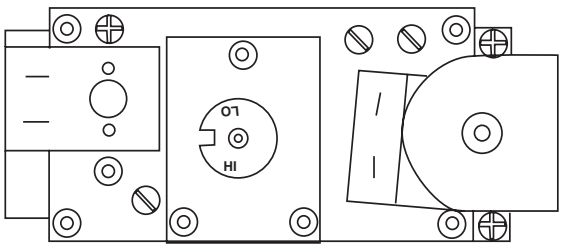
- **If you cannot contact your gas supplier call the Fire Department**

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand do not try to repair it, call a qualified service technician. Force or attempting repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and any gas control that has been under water.

Lighting Instructions

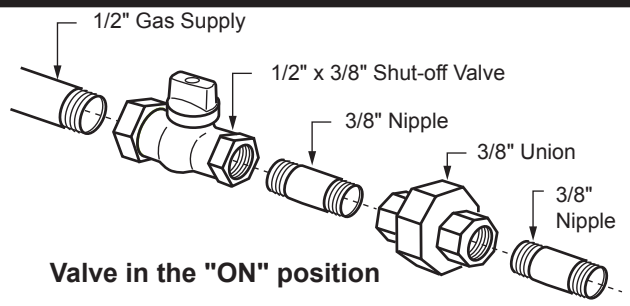
1. **STOP!** Read the safety information above before continuing.
2. Turn off all electrical power to the appliance.
3. This appliance is equipped with an ignition device which automatically lights the pilot. **DO NOT** try to light the pilot by hand.
4. Access the gas control by lowering the lower access door (louvre assembly).



5. Turn the remote switch, if used, OFF. Turn the wireless remote, if used, OFF.
6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas STOP. Follow instructions B in the safety warnings above. If you do not smell gas go onto the next step.
7. Close the access door.
8. Turn ON all electrical power to the appliance.
9. Turn remote switch or wireless remote to "ON".
10. If the appliance will not operate, follow the instructions TURNING OFF THE GAS TO THE APPLIANCE and call your service technician or gas supplier.

Turning Off the Gas to the Appliance

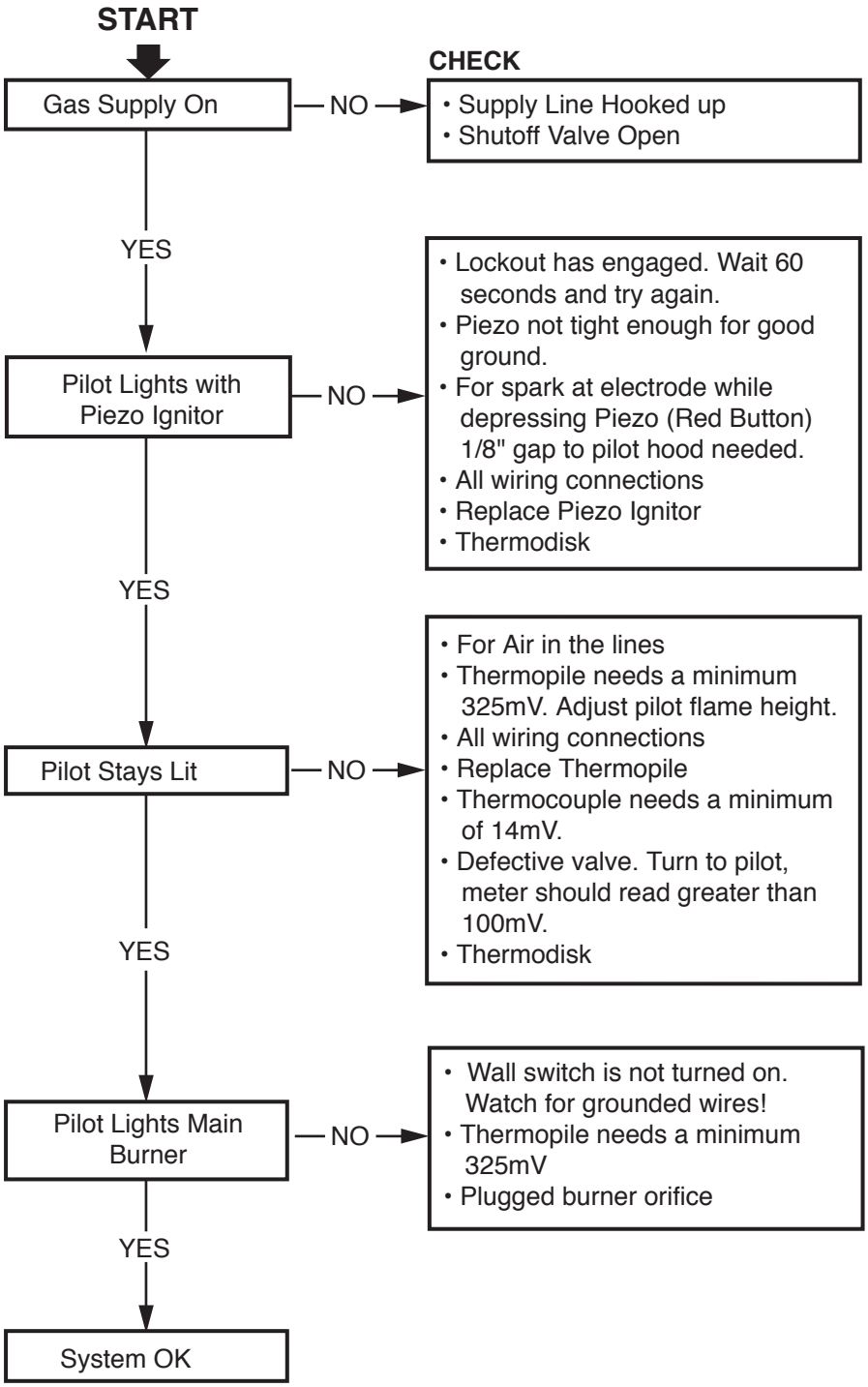
1. Turn the remote switch to the "OFF" position.
2. Turn OFF all electrical power to the fireplace if service is required.
3 Open the lower access panel.
4. Turn the shut-off valve on the flexible gas line to the "OFF" position.



Valve in the "ON" position

Troubleshooting

Nova SIT 820 Standing Pilot

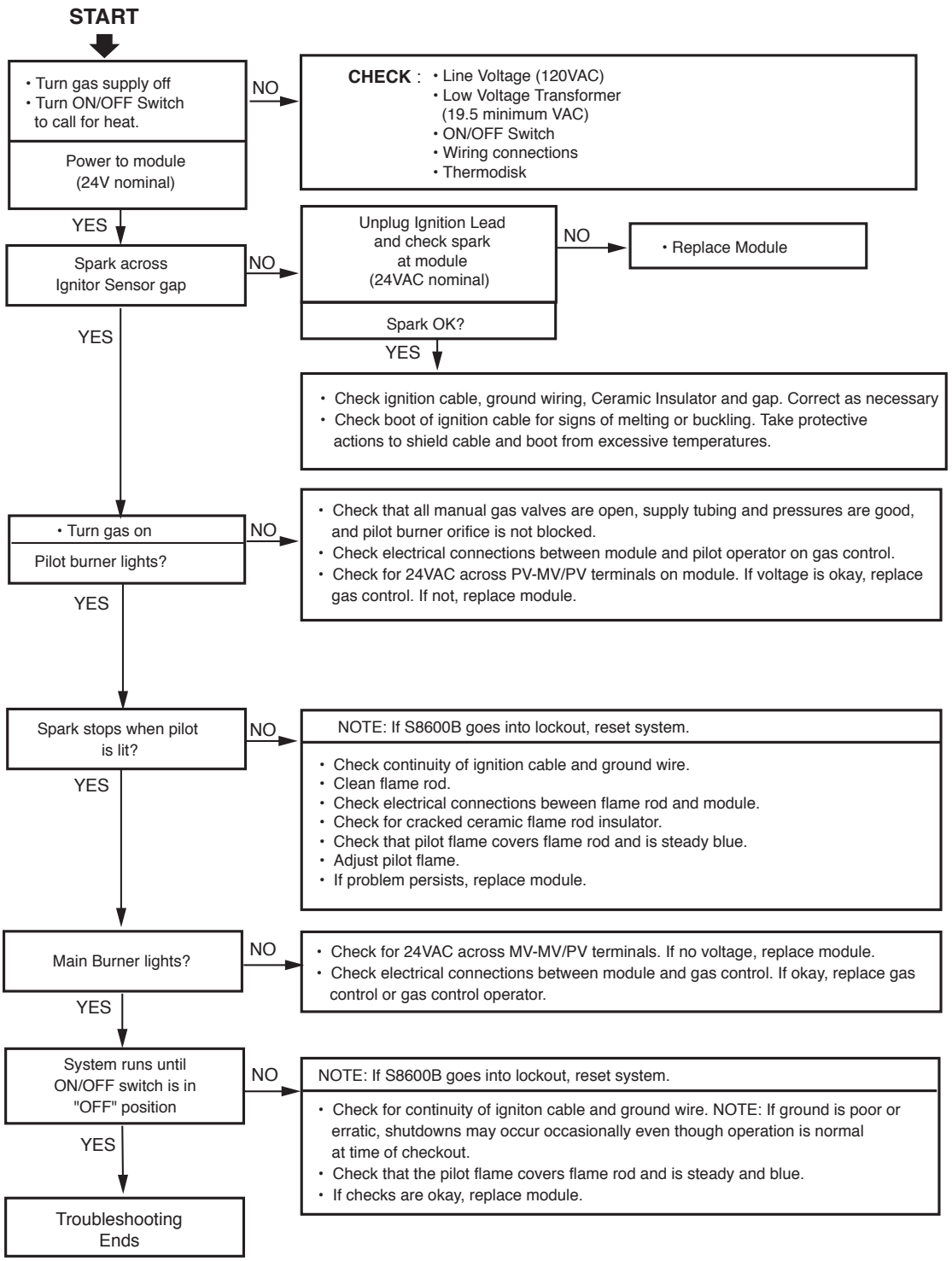

START
Gas Supply On
NO
CHECK
• Supply Line Hooked up
• Shutoff Valve Open
YES
Pilot Lights with Piezo Ignitor
NO
• Lockout has engaged. Wait 60 seconds and try again.
• Piezo not tight enough for good ground.
• For spark at electrode while depressing Piezo (Red Button) 1/8" gap to pilot hood needed.
• All wiring connections
• Replace Piezo Ignitor
• Thermodisk
YES
Pilot Stays Lit
NO
• For Air in the lines
• Thermopile needs a minimum 325mV. Adjust pilot flame height.
• All wiring connections
• Replace Thermopile
• Thermocouple needs a minimum of 14mV.
• Defective valve. Turn to pilot, meter should read greater than 100mV.
• Thermodisk
YES
Pilot Lights Main Burner
NO
• Wall switch is not turned on. Watch for grounded wires!
• Thermopile needs a minimum 325mV
• Plugged burner orifice
YES
System OK

FP396

Troubleshooting

NOVA SIT 822 w/ Honeywell S8600 B Electronic Ignition

Remove glass panel before servicing.


START
• Turn gas supply off
• Turn ON/OFF Switch to call for heat.
Power to module (24V nominal)
NO
CHECK : • Line Voltage (120VAC)
• Low Voltage Transformer (19.5 minimum VAC)
• ON/OFF Switch
• Wiring connections
• Thermodisk
YES
Spark across Ignitor Sensor gap
NO
Unplug Ignition Lead and check spark at module (24VAC nominal)
NO
• Replace Module
Spark OK?
YES
YES
• Check ignition cable, ground wiring, Ceramic Insulator and gap. Correct as necessary
• Check boot of ignition cable for signs of melting or buckling. Take protective actions to shield cable and boot from excessive temperatures.
• Turn gas on
Pilot burner lights?
NO
• Check that all manual gas valves are open, supply tubing and pressures are good, and pilot burner orifice is not blocked.
• Check electrical connections between module and pilot operator on gas control.
• Check for 24VAC across PV-MV/PV terminals on module. If voltage is okay, replace gas control. If not, replace module.
YES
Spark stops when pilot is lit?
NO
NOTE: If S8600B goes into lockout, reset system.
• Check continuity of ignition cable and ground wire.
• Clean flame rod.
• Check electrical connections beween flame rod and module.
• Check for cracked ceramic flame rod insulator.
• Check that pilot flame covers flame rod and is steady blue.
• Adjust pilot flame.
• If problem persists, replace module.
YES
Main Burner lights?
NO
• Check for 24VAC across MV-MV/PV terminals. If no voltage, replace module.
• Check electrical connections between module and gas control. If okay, replace gas control or gas control operator.
YES
System runs until ON/OFF switch is in "OFF" position
NO
NOTE: If S8600B goes into lockout, reset system.
• Check for continuity of igniton cable and ground wire. NOTE: If ground is poor or erratic, shutdowns may occur occasionally even though operation is normal at time of checkout.
• Check that the pilot flame covers flame rod and is steady and blue.
• If checks are okay, replace module.
YES
Troubleshooting Ends

FP649

Maintenance

Keep the control compartment, logs and burner area surrounding the logs clean by vacuuming or brushing at least twice a year. THE LOGS CAN GET VERY HOT — HANDLE ONLY WHEN COOL.

Always turn off gas to the pilot before cleaning. For relighting, refer to lighting instructions located on the front cover plate.

Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials.

Leave at least 36" clearance from front of appliance to combustibles.

Cleaning the Standing Pilot Control System

The burner and control system consists of:

- main burner
- gas orifice
- pilot burner
- thermopile
- combination millivolt gas valve

Most of these components may require only an occasional checkup and cleaning and some may require adjustment. If repair is necessary, it should be performed by a qualified technician.

In order to properly clean the burner and pilot assembly, turn off the gas to the unit, open the glass door (if used), remove logs exposing the burner and pilot assembly. Clean all foreign materials from the top of the burner. Check to make sure that burner parts are clean. Visually inspect pilot. Brush or blow away any dust or lint accumulation If pilot orifice is plugged, disassembly may be required to remove any foreign material from the orifice or tubing.

To obtain proper operation, it is imperative that the pilot and burner's flame characteristics are steady, not lifting or floating.

Typically, the top 3/8" or 1/2" of the thermopile should be engulfed in the pilot flame. (Page 12, Fig. 16)

To adjust pilot burner, adjust pilot screw marked "pilot" for proper size:

1. Remove pilot adjustment cap.
2. Adjust pilot screw to provide properly sized flame.
3. Replace pilot adjustment cap.

The air shutter is set at factory; no adjustment should be necessary.

Cleaning Automatic Direct Electronic Ignition System

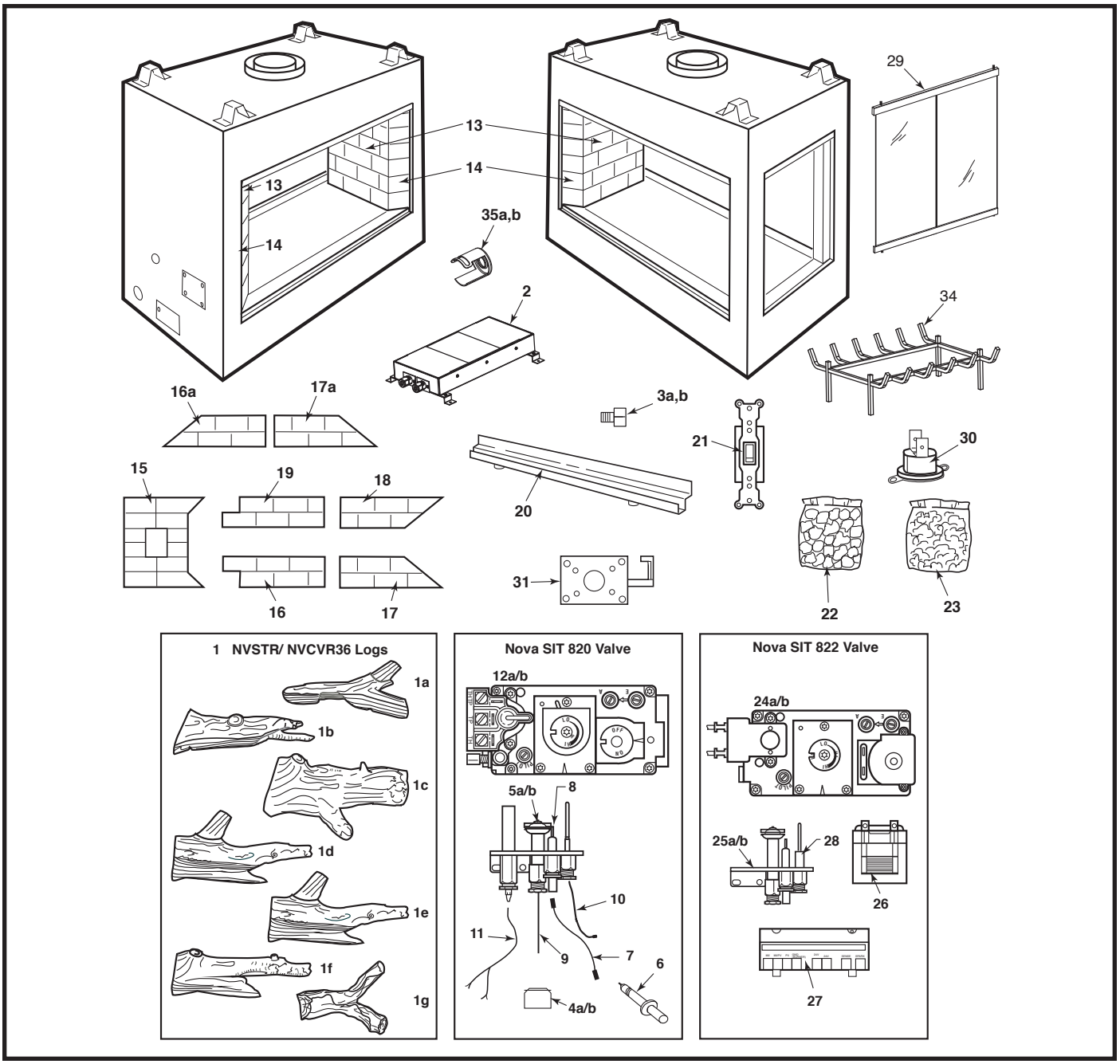
The Electronic Ignition burner/ control system consists of:

- main burner
- gas orifice
- hot surface pilot burner
- 24VAC valve with transformer

Taking care of the Electronic Ignition units is almost identical to taking care of the Standing Pilot models. (See the Maintenance section on page 16.)

The hot surface ignitor is the only component which requires EXTREMELY DELICATE HANDLING. The ignitor is made of silicone carbide which is a very brittle material.

Do not touch the heating part of the ignitor with your fingers.



CFM Corporation reserves the right to make changes in design, materials, specifications, prices and discontinue colors and products at any time, without notice.

NVSTR/CVR (F34)

Ref.	Description	Part Number
1.	Complete Log Set	20005477
1a.	Log, Lt Front/ Rt Rear Cross	20005441
1b.	Log, Rt Front/ Lt Rear Cross	20005442
1c.	Log, Left Rear	20005443
1d.	Log, Right Rear	20005444
1e.	Log, Left Front	20005445
1f.	Log, Right Front	20005446
1g.	Log, End (used for NVCVR only)	3079168
2.	Burner - Natural/ LP	20005351

NVSTR/ CVR (F34) (continued)

Ref.	Description	Part Number	
3a.	Burner Orifice - Natural	20005480	
3b.	Burner Orifice - LP	20005481	
4a.	Orifice, Pilot, #62 Top Conv.	10002268	
4b.	Orifice, Pilot, #35 Top Conv.	10002269	
5a.	Pilot Assembly 3-way N/DV RN Top Conv.	10002264	
5b.	Pilot Assembly 3-way N/DV RP Top Conv.	10002265	
6.	Piezo Ignitor	52464	
7.	Cable Ignitor	53194	
8.	Electrode Ignitor Nova	52465	
9.	Pilot Tubing	7549333	
10.	Thermocouple, 24”	53373	
11.	Thermopile, 24”	51827	
12a.	Valve Nova, NG SIT 0.820.652	7529141	
12b.	Valve Nova, LP SIT 0.820.651	7529142	
13.	Side Brick	3079147	
		NVSTR	**NVCVR**
14.	Corner Brick	3079148	3079148
15.	Ceramic Panel, End	—	3080123
16.	Ceramic Panel, Left	—	3080122
16a.	Ceramic Panel, Left	3079139	—
17.	Ceramic Panel, Right	—	3080121
17a.	Ceramic Panel, Right	3079138	—
18.	Ceramic Panel	—	3080125
19.	Ceramic Panel	—	3080124
20.	Door Track, Black Door Track, Brass	3061102 3067102	
21.	Remote Switch Kit	53875	
22.	Lava Rock Package	55255	
23.	Bag of Embers	7060109	
24a.	Valve Nova, EN SIT 0.822.632, 24 V/ 60 Hz	57884	
24b.	Valve Nova, EP SIT 0.822.631, 24 V/ 60 Hz	57883	
25a.	Pilot Assembly 3-way N/DV RN Top Conv.	10002387	
25b.	Pilot Assembly 3-way N/DV RP Top Conv.	10002388	
26.	Transformer	7522409	
27.	Ignition Device/ Honeywell	20000005	
28.	Sensing Electrode	57885	
29.	End Panel	3080145	
30.	Thermodisk (F33 Only)	20001558	
31.	O.S.A. Assy. (F32 & F33 Only)	20003212	
32.	Conversion Kit, Natural	20005458	
33.	Conversion Kit, LP	20005457	
34.	Grate	10002323	
35a.	Air Shutter, Natural	20000129	
35b.	Air Shutter, LP	20000680	

Contact CFM Corporation for questions concerning prices and policies covering replacement parts. Parts may be ordered through your CFM Corporation distributor or dealer.

You will need the following information when ordering replacement parts:

1. The appliance model number.
2. The serial number.
3. A description of the part.

Should you need additional information beyond what your dealer can furnish, contact:

CFM Corporation
410 Admiral Blvd.
Mississauga, Ontario
Canada L5T 2N6
Attn: Manager of Customer Service

Model and serial numbers are listed on the rating plate (located on right side of combustion chamber).

Record your model and serial numbers here for future reference:

Model # _____

Serial # _____

Accessories

Glass Doors

Bi-fold and single panel glass doors are available to enhance the viewing of the fireplace.

Unit	Models	Description
NVSTR/CVR	36GSKBB	Brushed Brass Solid Glass Panel
NVSTR/CVR	36GDKBB	Brushed Brass Bi-fold
NVSTR/CVR	36GDKBK	Black Bi-fold
NVSTR/CVR	36GDKDP	Polished Brass Bi-fold
NVSTR/CVR	36GDKS	Pewter Bi-fold
NVCVR	36EPKBK	Black End Panel Extrusion Kit
NVCVR	36EPKDP	Polished Brass End Panel Extrusion Kit
NVCVR	36EPKS	Pewter End Panel Extrusion Kit

Outside Air Kit

The Model AK-MST Outside Air Kit is designed to bring additional combustion air directly from the outside to the fireplace. Refer to installation instructions provided with the Outside Air Kit.

Thermal Vent Damper

Installing the TVD6/7 Thermal Vent Damper reduces cold air infiltration when fireplace is not in use by opening and closing automatically.

Attach the thermal vent damper to the combustion dome with 2 screws. Be sure the tab points down. (Fig. 18)

Start the appliance and operate it for approximately 5 minutes. Turn the unit off and check if the vent damper is in the open position (blades down from the horizontal position). If the damper has not opened, check installation.

NOTE: Not for use in Canada.

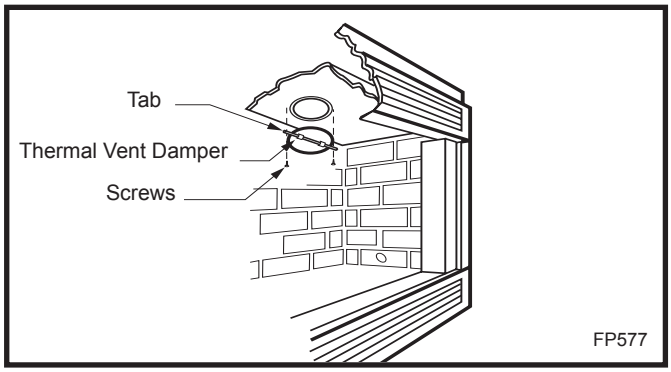


Fig. 18 Attach the thermal vent damper.

Remote Controls

Optional remote control units are available to control different functions of the appliance.

Model	Function/s Controlled
RC1	“ON/OFF”
RC2	“ON/OFF” and Temperature

LIMITED LIFETIME WARRANTY

PRODUCT COVERED BY THIS WARRANTY

All Vermont Castings gas stoves, gas inserts, and gas fireplaces, and all Majestic or Northern Flame brand gas fireplaces equipped with an Insta-Flame Ceramic Burner, or standard steel tube burner.

BASIC WARRANTY

CFM Corporation (hereinafter referred to collectively as the Company) warrants that your new Vermont Castings or Majestic Gas Fireplace/ Stove is free from manufacturing and material defects for a period of one year from the date of purchase, subject to the following conditions and limitations.

EXTENDED LIFETIME WARRANTY

The heat exchanger, where applicable, and combustion chamber of every Vermont Castings or Majestic gas product is warranted for life against through wall perforation. All appliances equipped with an Insta-Flame Ceramic Burner have limited lifetime coverage on the ceramic burner plaque. Warrantees are made to the original owner subject to proof of purchase and the conditions and limitations listed on this Warranty Document

COMPONENT WARRANTY

CAST IRON: All external and internal cast iron parts are warranted for a period of three years.

Note: On porcelain enamel finished external parts and accessories The Company offers no Warranty on chipping of enamel surfaces. Inspect all product prior to accepting it for any damage to the enamel.

The salt air environment of coastal areas or a high humidity environment can be corrosive to the porcelain enamel finish. These conditions can cause rusting of the cast iron beneath the porcelain enamel finish, which will cause the finish to flake off.

Dye lot variations with replacement parts and/or accessories can occur and are not covered by warranty.

GLASS DOORS: Glass doors are covered for a period of one year. Glass doors are not warranted for breakage due to misuse or accident. Glass doors are not covered for discoloration or burned in stains due to environmental issues, or improper cleaning and maintenance.

BRASS PLATED PARTS AND ACCESSORIES: Brass parts should be cleaned with Lemon oil only. Brass cleaners cannot be used. Mortar mix and masonry cleaners may corrode the brass finish. The Company will not be responsible for, nor will it warrant any brass parts which are damaged by external chemicals or down draft conditions.

GAS VALVES: Gas valves are covered for a period of one year

ELECTRONIC AND MECHANICAL COMPONENTS: Electronic and mechanical components of the burner assembly are covered for one year. All steel tube burners are warranted for one year.

ACCESSORIES: Unless otherwise noted all components and CFM Corporation company supplied accessories are covered for a period of one year.

CONDITIONS AND LIMITATIONS

- This new Vermont Castings or Majestic product must be installed by a competent, authorized, service contractor. A licensed technician, as prescribed by the local jurisdiction must perform any installation/service work. It must be installed and operated at all times in accordance with the Installation and Operating instructions furnished with the product. Any alteration, willful abuse, accident, or misuse of the product shall nullify this warranty.
- This warranty is non-transferable, and is made to the original owner, provided that the purchase was made through an authorized supplier of the Company.
- The customer must pay for any Authorized Dealer in-home travel fees or service charges for in-home repair work. It is the dealers option whether the repair work will be done in the customer's home or in the dealer's shop.
- If upon inspection, the damage is found to be the fault of the manufacturer, repairs will be authorized at no charge to the customer parts and/or labor.
- Any part and/or component replaced under the provisions of this warranty is covered for six months or the remainder of the original warranty, whichever is longest.
- This warranty is limited to the repair of or replacement of part(s) found to be defective in material or workmanship, provided that such part(s) have been subjected to normal conditions of use and service, after said defect is confirmed by the Company's inspection.
- The company may, at its discretion, fully discharge all obligations with respect to this warranty by refunding the wholesale price of the defective part(s)
- Any installation, labor, construction, transportation, or other related costs/expenses arising from defective part(s), repair, replacement, or otherwise of same, will not be covered by this warranty, nor shall the Company assume responsibility for same. Further, the Company will not be responsible for any incidental, indirect, or consequential damages except as provided by law.
- SOME STATES DO NOT ALLOW FOR THE EXCLUSION OR LIMITATIONS OF INCIDENTAL AND CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOUR CIRCUMSTANCES. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.
- All other warranties-expressed or implied- with respect to the product, its components and accessories, or any obligations/liabilities on the part of the Company are hereby expressly excluded.
- The Company neither assumes, nor authorizes any third party to assume on its behalf, any other liabilities with respect to the sale of this Vermont Castings, Majestic product
- The warranties as outlined within this document do not apply to chimney components or other non Vermont Castings, Majestic accessories used in conjunction with the installation of this product..
- Damage to the unit while in transit is not covered by this warranty but is subject to claim against the common carrier. Contact the dealer from whom you purchased your fireplace/stove (do not operate the appliance as this might negate the ability to process the claim with the carrier).
- **The Company will not be responsible for:**
  a) Down drafts or spillage caused by environmental conditions such as near-by trees, buildings, roof tops, hills, or mountains.
  b) Inadequate ventilation or negative air pressure caused by mechanical systems such as furnaces, fans, clothes dryers, etc.
- **This warranty is void if:**
  a) The fireplace has been operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals.
  b) The fireplace has been subjected to prolonged periods of dampness or condensation
  c) Any damages to the fireplace, combustion chamber, heat exchanger or other components due to water, or weather damage, which is the result of but not limited to, improper chimney/venting installation.
  d) Any alteration, willful abuse, accident, or misuse of the product has occurred.

IF WARRANTY SERVICE IS NEEDED…

1) Contact your supplier. Make sure you have your warranty, your sales receipt, and the model/ serial number of your CFM Corporation appliance.
2) DO NOT ATTEMPT TO DO ANY SERVICE WORK YOURSELF.

NATIONAL FIREPLACE INSTITUTE®

NFI

CERTIFIED

www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

CFM Corporation

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